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Notice of Allowability	Application No.		Applicant(s)	
	09/467,310		CHANSLER, ROBERT J.	
	Examiner		Art Unit	
	Qamrun Nahar		2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 07/05/2007.
2. ☒ The allowed claim(s) is/are 1, 4-9, 21, 24-29, 37-45 and 48-58, renumbered 1-34.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ol style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
|---|---|

DETAILED ACTION

1. This action is in response to the amendment filed on 07/05/2007.
2. The rejection under 35 U.S.C. 102(e) as being anticipated by Atkin (U.S. 5,907,326) to claims 1-9, 21-29, and 37-57 is withdrawn in view of applicant's amendment and remarks/arguments.
3. The rejection under 35 U.S.C. 103(a) as being unpatentable over Atkin (U.S. 5,907,326) in view of Sanna, et al. "Using Windows NT Workstation 4.0", 1997 (hereinafter Sanna) to claim 58 is withdrawn in view of applicant's amendment and remarks/arguments.
4. Claims 1, 21 and 45 have been amended (See Examiner's Amendment below).
5. Claims 2-3, 22-23 and 46-47 have been canceled (See Examiner's Amendment below).
6. Claims 1, 4-9, 21, 24-29, 37-45 and 48-58 are pending.
7. Claims 1, 4-9, 21, 24-29, 37-45 and 48-58 are allowed, renumbered 1-34.

Drawings

8. The drawings were received on 12/17/1999. These drawings are acceptable.

EXAMINER'S AMENDMENT

9. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with William E. Hunter (Reg. No. 47,671) on September 26, 2007.

The application has been amended as follows:

In the Claims:

Please cancel claims 2-3, 22-23 and 46-47; and

Please amend claims 1, 21 and 45 as follows:

1. (Currently Amended) A method of defining a user interface for a computer program, comprising:

after execution of the computer program has begun, automatically defining [[a]] the user interface of the computer program by:

reading a function description of a first function to be provided by the user interface on the fly at run time, the function description comprising instructions to handle user interface events;

executing logic on the fly at run time to select an appearance description of a first appearance to be presented by the user interface;

associating the function description and the appearance description on the fly at run time into an executable form;

executing the executable form of the user interface to generate the user interface with the associated function description and appearance description; [[and]]

executing logic to independently change one of the function description and the appearance description during program execution; and

replacing the function description during program execution while providing a continuity of presentation or replacing the appearance description during program execution to present logic of the user interface with a different appearance.

2. (Canceled)

3. (Canceled)

21. (Currently Amended) A computer-readable medium to define a user interface for a computer program ~~after execution of the computer program has begun~~, comprising instructions to:

after execution of the computer program has begun, automatically define the user interface of the computer program by:

read a function description of a first function to be provided by the user interface on the fly at run time, the function description comprising instructions to handle user interface events;

execute on the fly at run time logic to select an appearance description of a first appearance to be presented by the user interface;

associate the function description and the appearance description on the fly at run time into an executable form;

execute the executable form of the user interface to generate the user interface with the associated function description and appearance description; [[and]]

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execute logic to independently change one of the function description and the appearance description during program execution; and

replace the function description during program execution while providing a continuity of presentation or replace the appearance description during program execution to present logic of the user interface with a different appearance.

22. (Canceled)

23. (Canceled)

45. (Currently Amended) A system to define a user interface for a computer program, comprising:

a presentation device to present ~~[[a]]~~ the user interface;

a processor configured to perform operations comprising:

after execution of the computer program has begun, automatically defining the user interface of the computer program by:

reading a function description of a first function to be provided by the user interface on the fly at run time, wherein the function description comprises instructions to handle user interface events;

executing on the fly at run time logic to select an appearance description of a first appearance to be presented by the user interface;

associating the function description and the appearance description on the fly at

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run time into an executable form;

executing the executable form of the user interface to generate the user interface with the associated function description and appearance description; [[and]]

executing logic to independently change one of the function description and the appearance description during program execution; and

replacing the function description during program execution while providing a continuity of presentation or replacing the appearance description during program execution to present logic of the user interface with a different appearance.

46. (Canceled)

47. (Canceled)

- END -

REASONS FOR ALLOWANCE

10. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, executing logic to independently change one of the function description and the appearance description during program execution; and replacing the function description during program execution while providing a continuity of presentation or replacing

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the appearance description during program execution to present logic of the user interface with a different appearance as recited in independent claims 1, 21 and 45.

The closest cited prior art, Atkin (U.S. 5,907,326) teaches a method of defining a user interface. However, Atkin (U.S. 5,907,326) fails to teach executing logic to independently change one of the function description and the appearance description during program execution; and replacing the function description during program execution while providing a continuity of presentation or replacing the appearance description during program execution to present logic of the user interface with a different appearance as recited in independent claims 1, 21 and 45; and as pointed out by the applicant's remarks/arguments on pg. 14, par. 3 to pg. 17, par. 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

11. Any inquiry concerning this communication from the examiner should be directed to Qamrun Nahar whose telephone number is (571) 272-3730. The examiner can normally be reached on Mondays through Fridays from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Y Zhen, can be reached on (571) 272-3708. The fax phone number for the organization where this application or processing is assigned is (571) 273-8300.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2100 Group receptionist whose telephone number is 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Qamrun Nahar
September 26, 2007



WEI ZHEN
SUPERVISORY PATENT EXAMINER